U.S. Pat. Appl. No.: 09/939,063

Amendments to the Claims:

The following listing of claims will replace all prior versions and/or listings of claims in

the application.

Listing of Claims:

Please cancel claims 1-11 without prejudice.

Claims 12-21 (Cancelled).

22. A circuit board ejector mechanism operable to provide resiliently biased

engagement between a first part of an electrical connector mounted on a circuit board and a

mutually engaging second part of said electrical connector mounted on a back plane, said first

and second parts of said electrical connector providing electrical connection between said circuit

board and said back plane, said ejector mechanism comprising:

an engaging projection mountable on a chassis with respect to which said back plane is

mounted; and

a lever arm pivotally mountable about an axis that passes through said circuit board and

configured to engage said engaging projection, said lever arm being operable to apply an

engaging force to said engaging projection to urge said circuit board towards said back plane

when moved from a first position to a second position, which engaging force causes said first

and second parts of the connector to engage,

wherein said engagement of said lever arm and said engaging projection is provided by a

flexible coupling which allows relative movement of said circuit board with respect to said back

plane, and wherein the flexible coupling provides a biasing force which biases said circuit board

towards said back plane.

2

Inventor: Sean Wrycraft U.S. Pat. Appl. No.: 09/939,063

23. (Previously presented): An ejector mechanism as claimed in claim 22, wherein said flexible coupling is provided by said engaging projection being formed from a resiliently deformable material, said material providing said relative movement and said biasing force of

said circuit board towards said back plane.

24. (New): An ejector mechanism as claimed in claim 22, wherein said flexible coupling is

provided by said engaging projection being formed by a rigid member slidably mounted on said

chassis and a biasing member connected between said chassis and said engaging projection, said

slidable mounting providing said relative movement and said biasing member providing said

biasing force for biasing said circuit board towards said back plane.

25. (New): An ejector mechanism as claimed in claim 24, wherein said biasing member is a

spring or a resiliently deformable member.

26. (New): An ejector mechanism as claimed in claim 22, wherein said flexible coupling is

provided by a mounting of said pivotably mounted lever arm on said circuit board that provides

translatory as well as pivotal movement to provide said relative movement between said lever

arm and said engaging projection, and a biasing member coupled to said pivotal mounting

providing said biasing force for biasing said circuit board towards said back plane.

27. (New): An assembly including a circuit board, a chassis and a back plane, a first part of

an electrical connector being mounted on said circuit board and a mutually engaging second part

of said electrical connector being mounted on said backplane, said first and second parts of said

electrical connector providing electrical connection between said circuit board and said back

plane, said back plane being mounted with respect to said chassis, and an ejector mechanism

having:

an engaging projection mounted on said chassis; and

3

a lever arm pivotally mounted about an axis that passes through said circuit board and configured to engage said engaging projection, said lever arm being operable to apply an engaging force to said engaging projection to urge said circuit board towards said back plane when moved from a first position to a second position, which engaging force causes said first and second parts of the connector to engage,

wherein said engagement of said lever arm and said engaging projection is provided by a flexible coupling which allows relative movement of said circuit board with respect to said back plane and wherein said flexible coupling provides a biasing force which biases said circuit board towards said back plane.

## 28. (New): A circuit board comprising:

a first part of an electrical connector arranged to mutually engage a second part of said electrical connector, which second part of said electrical connector is mounted on a back plane, said first and second parts of said electrical connector providing electrical connection between said circuit board and said back plane,

a lever arm pivotally mounted about an axis that passes through said circuit board and configured to engage an engaging projection mounted on a chassis with respect to which said back plane is mounted, said lever arm being operable to apply an engaging force to said circuit board by engagement with said engaging projection when moved from a first position to a second position, which engaging force causes said first part of said electrical connector to engage with said second part of the connector, wherein said mounting of said pivotably mounted lever arm on said circuit board provides translatory as well as pivotal movement to provide relative movement between said lever arm and said engaging projection, and a biasing member coupled to said pivotal mounting providing a biasing force for biasing said circuit board towards said back plane.

29. (New): A chassis supporting a back plane arranged to receive at least one circuit board, said back plane comprising at least one second part of an electrical connector, mounted on said

Inventor: Sean Wrycraft U.S. Pat. Appl. No.: 09/939,063

back plane and engageable with a first part of said electrical connector mounted on said circuit board, wherein an engaging projection, engageable with a lever arm formed on said circuit board, is mounted on said chassis, said engaging projection providing a flexible coupling which allows relative movement of said circuit board with respect to said chassis, and thereby with respect to said back plane and a biasing force which biases said circuit board towards said back plane.

- 30. (New): A chassis as claimed in claim 29, wherein said engaging projection is formed from a resiliently deformable material, said material providing said relative movement and said biasing force of said circuit board towards said back plane.
- 31. (New): A chassis as claimed in claim 29, wherein said engaging projection is formed by a rigid member slidably mounted on said chassis and a biasing member connected between said chassis and said engaging projection, said slidable mounting providing said relative movement and said biasing member providing said biasing force for biasing said circuit board towards said back plane.
- 32. (New): A chassis as claimed in claim 31, wherein said biasing member is a spring or a resiliently deformable member.